4.(Amended) A stainless steel tube according to claim 1, wherein the area ratio of said martensite is not more than 30 %.

5.(Amended) A stainless steel tube according to claim 1, further comprising, in addition to the aforementioned chemical composition, at least one type of element selected from the group consisting of: not more than 0.6 mass % of Cu; not more than 0.6 mass % of Ni; not more than 2.5 mass % of Mo; not more than 1.0 mass % of Nb; not more than 1.0 mass % of Ti; and not more than 1.0 mass % of V.

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6.(Amended) A automobile structure member having excellent fatigue resistance property, which member is produced by subjecting the stainless steel tube of claim 1 to a secondary forming treatment and a heat refining treatment so that the tensile strength thereof becomes not smaller than 800 MPa.

Please add the following claims:

--7.(New) A stainless steel tube according to claim 2, wherein the diameter of ferrite grain is preferably not more than 8 μm.--

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--8.(New) A stainless steel tube according to claim 7, wherein the area ratio of said martensite is not more than 30 %.--

--9.(New) A stainless steel tube according to claim 8, further comprising, in addition to the aforementioned chemical composition, at least one type of element selected from the group consisting of: not more than 0.6 mass % of Cu; not more than 0.6 mass % of Ni; not more than 2.5 mass % of Mo; not more than 1.0 mass % of Nb; not more than 1.0 mass % of Ti; and not more than 1.0 mass % of V.--